

In the Specification:

Please replace the paragraph beginning on page 18 at line 3, and ending on page 19 at line 3 of the Preliminary Amendment, with the following amended paragraph:

The operation of the atmospheric optical link depends critically on the correct aim of the transmit and receive beams 22a and 22b. A servo control system 59 (see Fig. 15) must be employed to aim the beams 22a and 22b. The servo control system 59 should have a different mechanism to align the beams 22a and 22b and many different ways are known and described in the prior art. We need, however, a mechanism that makes use of the positioning of the same MEMS mirror 30 as the transmit and receive beams 22a and 22b. The essential parts of such a servo system 60 are shown in Figs. 12 and 13. In Fig. 12, a servo LED 62 is used as the light source. A laser could also be used as the light source. The servo LED 62 emits light in a servo light beam 64a modulated at relatively low speed, enabling detection with low received power. A servo LED lens 66 creates a wide cone of light 68 from the servo light beam 64a emitted by the servo LED 62. This cone 68 may be several degrees wide, so the aiming is very simple and the amount of detected radiation is not sensitive to small movements of this beam. Fig. 13 shows a servo sensor of the servo system 60, which uses the same MEMS mirror 30 as described before. The servo light beam 64b is focused on the MEMS mirror 30 with a servo sensor lens 70. The servo sensor of the servo system 60 uses an optical position detector 72, which is a common art and includes a Silicone diode with several outputs. The electrical signals outputted from the detector 72 are sensitive to the intensity of an optical signal in a received servo light beam 64b and to

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the exact location of the optical signal on the detector 72. The electrical signals indicate if the MEMS mirror 30 is aiming the servo light beam 64a directly at an opposing servo LED 62. If there is an error in aiming, the electrical signal outputted from the detector 72 indicates the direction and magnitude of the error. The servo system 60 will then adjust the MEMS mirror 30 correctly.
